

**Commonwealth of Kentucky**  
**Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Sukhendu K Majumdar

GENERAL INFORMATION:

Name:	Military Packaging, Inc.
Address:	250 Aristocrat Drive, Florence, Kentucky 41042
Date application received:	September 7, 2005
SIC/Source description:	3086
EIS #:	21-015-00104
AI number:	37213
Permit number:	F-05-052

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
_ Minor	<input checked="" type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input checked="" type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☐ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☒ Area is non-attainment (list pollutants): 8-hr ozone and PM2.5

EMISSIONS SUMMARY BASED ON APPLICATION:

Pollutant	Actual (tpy)	Title V Potential (tpy)
PM10	0.006	0.44
PT	0.01	0.44
SO <sub>2</sub>	0.001	0.03
NO <sub>x</sub>	0.2	6.44
CO	0.04	4.92
VOC	15.4	74.55
HAPs>10 TPY	None	None

SOURCE PROCESS DESCRIPTION:

Military Packaging, Inc. submitted a construction/operating permit application that was received by the Division on September 7, 2005. The company has asked federally enforceable conditional major construction/operation permit after modification and expansion of the source. The potential to emit of VOCs shall be kept under the major source threshold by controlling pentane emission. Military Packaging, Inc. manufactures the packaging products from expandable polystyrene beads. The process includes pre-expander, pre-puff aging and two molding lines. The polystyrene beads contain about 5 to 6.5% pentane. During the process about 73% of the pentane leaves as VOC which is collected by exhaust hood and destroyed in the Regenerative Thermal Oxidizer (RTO).

EMISSION AND OPERATING CAPS DESCRIPTION:***Volatile Organic Compound (VOC):***

Military Packaging, Inc. has asked that a federally enforceable permit be written that requires VOC control. This keeps their potential to emit VOCs (pentane) under the major source threshold.